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ABSTRACT BODY: **Recent simulations of the late stages growth of Jupiter**

Presented by

Lissauer et al. (2009, Icarus 199, 338) are used to test the model of capture of
Jupiter's irregular satellites within proto-Jupiter's distended and thermally-
supported envelope. We find such capture highly unlikely, since the envelope
shrinks too slowly for a large number of moons to be retained, and many of those
that would be retained would orbit closer to the planet than do the observed
Jovian irregulars. Our calculations do not address (and therefore do not exclude)
the possibility that the irregular satellites were captured as a result of gas drag
within a circumjovian disk. Support for this research from NASA Outer Planets
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